MAGNETIC OBSERVATIONS AT THE SAMOA OBSERVATORY DURING THE SOLAR ECLIPSE OF AUGUST 21, 1914.

G. ANGENHEISTER.

The following table gives the 5-minute values of the magnetic elements during the solar eclipse of August 21, 1914, at the Samoa Observatory (Apia; latitude, $13^{\circ} 48' S$; longitude, $171^{\circ} 46' W$). *E. D.* stands for east magnetic declination; *H*, for horizontal intensity, and $-Z$, for negative vertical intensity. The values for 11^h are the means for the interval from $10^h 57^m.5$ to $11^h 02^m.5$, etc.

G. M. T.	ED	H	-Z	G. M. T.	ED	H	-Z	G. M. T.	ED	H	-Z
^h ^m ^s	^γ	^γ	^γ	^h ^m ^s	^γ	^γ	^γ	^h ^m ^s	^γ	^γ	^γ
10 00 9 53.5	35406	20322		11 45 9 53.3	35410	20323		13 25 9 53.4	35410	20324	
05 3.3	09	4		50 3.3	09	4		30 3.4	10	4	
10 3.2	11	4		55 3.3	09	4		35 3.4	10	4	
15 3.4	12	4		12 00 3.3	08	4		40 3.4	10	4	
20 3.5	11	3		05 3.3	08	4		45 3.4	10	4	
25 3.4	11	2		10 3.3	08	4		50 3.4	10	4	
30 3.4	11	2		15 3.2	07	4		55 3.4	10	4	
35 3.4	12	3		20 3.3	06	4		14 00 3.3	09	4	
40 3.3	13	3		25 3.3	05	3		05 3.4	09	4	
45 3.3	13	4		30 3.4	05	3		10 3.4	08	4	
50 3.3	14	4		35 3.4	05	3		15 3.5	07	4	
55 3.3	13	4		40 3.3	05	4		20 3.5	06	4	
11 00 3.4	12	4		45 3.3	06	4		25 3.6	06	4	
05 3.4	11	4		50 3.3	08	4		30 3.7	06	4	
10 3.4	11	3		55 3.4	08	4		35 3.8	06	4	
15 3.5	10	3		13 00 3.4	09	4		40 3.8	06	4	
20 3.4	10	3		05 3.3	09	4		45 3.9	05	4	
25 3.2	10	3		10 3.4	09	4		50 3.9	05	4	
30 3.4	10	3		15 3.4	09	4		55 4.0	05	4	
35 3.4	10	3		20 3.4	09	4		15 00 4.0	05	4	
40 3.3	10	3									

Apia, Samoa, July 7, 1917.